

Please add the following new claims:

12. (New) A device for determining a concentration of oxidizable gas components in a gas mixture, comprising:

an electrochemical measuring cell including a measuring electrode¹⁸ and a reference electrode¹⁹, the measuring electrode including a material that is one of not able to catalyze and not able to completely catalyze an establishment of a gas equilibrium; and

at least one electrochemical pumping cell including at least one inner pumping electrode¹⁷;

wherein the at least one inner pumping electrode and the measuring electrode are positioned in a measuring gas compartment²², and the at least one electromechanical²¹ pumping cell is coupled to a circuit configured to apply a pumping voltage to the at least one electromechanical²¹ pumping cell, so that the at least one electromechanical²¹ pumping cell pumps oxygen [at least one of] into [and] out of the measuring gas compartment, and

wherein the circuit applies the pumping voltage to the at least one electromechanical²¹ pumping cell such that a partial pressure of oxygen in the measuring gas compartment corresponds to a lambda value of ≥ 1.3 .

$O_2 \approx 0.10^{-2}$

13. (New) The electrochemical gas sensor according to claim 12, wherein the at least one pumping cell can set an approximately constant partial pressure of oxygen in the measuring gas compartment.

14. (New) The electrochemical gas sensor according to claim 12, wherein the measuring electrode and the at least one inner pumping electrode are positioned opposite each other in the measuring gas compartment.

15. (New) The electrochemical gas sensor according to claim 12, wherein the measuring electrode includes one of gold and a platinum-gold alloy.

16. (New) The electrochemical gas sensor according to claim 15, wherein a gold proportion in the platinum-gold alloy is 0.5 to 20 weight-%.

17. (New) The electrochemical gas sensor according to claim 15, wherein a gold proportion in the platinum-gold alloy is approximately 10 weight-%.

18. (New) The electrochemical gas sensor according to claim 16, wherein the at least one inner pumping electrode includes a material which is one of not able to catalyze and not completely able to catalyze the establishment of the gas equilibrium.

19. (New) The electrochemical gas sensor according to claim 18, wherein the at least one inner pumping electrode contains a platinum-gold alloy having a gold proportion of 0.1 to 3 weight-%.

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Cont'd 20. (New) The electrochemical gas sensor according to claim 18, wherein the at least one inner pumping electrode contains a platinum-gold alloy having a gold proportion of 0.3 to 0.8 weight-%.

21. (New) The electrochemical gas sensor according to claim 12, wherein the reference electrode includes a catalytically active material that is able to catalyze the establishment of the gas equilibrium.

22. (New) The electrochemical gas sensor according to claim 21, wherein the catalytically active material is platinum.

23. (New) The electrochemical gas sensor according to claim 12, wherein the measuring gas compartment is positioned in one layer plane and is coupled to a gas access hole.

REMARKS

This Amendment cancels original claims 1 to 11, without prejudice, and also cancels substitute claim 1, without prejudice, in the underlying PCT Application No. PCT/DE00/00754. The Amendment also adds new claims 12-23, which are currently pending. The new claims conform the claims to U.S. Patent and Trademark Office rules and do not add new matter to the application.